

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/574,625
Source: IFWP
Date Processed by STIC: 4/13/06

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/574,625

CRF Edit Date: 4/13/06
Edited by: h

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

/ Deleted: / invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,625

DATE: 04/13/2006

TIME: 20:17:08

Input Set : A:\PTO.txt

Output Set: N:\CRF4\04132006\J574625.raw

3 <110> APPLICANT: Hoff, Tine
 5 <120> TITLE OF INVENTION: A Method of Screening For Protein Secreting Recombinant Host
 6 Cells
 8 <130> FILE REFERENCE: 10355.204-US
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/574,625
 C--> 10 <141> CURRENT FILING DATE: 2006-04-04
 10 <160> NUMBER OF SEQ ID NOS: 11
 12 <170> SOFTWARE: PatentIn version 3.3
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 2349
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Bacillus subtilis
 20 <220> FEATURE:
 W--> 21 <221> NAME/KEY: YkdA_protein
 22 <222> LOCATION: (1000)..(2349)
 23 <223> OTHER INFORMATION: 1-999 is promoter
 25 <220> FEATURE:
 26 <221> NAME/KEY: CDS
 27 <222> LOCATION: (1000)..(2349)
 29 <400> SEQUENCE: 1
 30 tctttcaagg attcatgttt gtttaccacac ctgttctgta agcagttcat attttctcag 60
 32 ggttcttttca aatacctcat caaaaacgctc cggcacagag gcgtgtatca cctcagctcc 120
 34 ctctcccgtt attccgcctt tgggtgcaac acgttccagc gtctcctcga aagacatatt 180
 36 tttttcgatc agcatcttgc cagttccgta tagcgaatga atcagaaaat caaaggcttc 240
 38 ttctttggac aggctgctgt ttctgacggc agacagtgcc agttcttcaa agattgcagc 300
 40 tatgaatccc ggtgccgagc tcgttaaatt gctggccaca tctaaattcg attctttgat 360
 42 ttcccgatca cggctgaaaa ccgataacaa ttcatcaga cgttcttttt tctctgcagc 420
 44 cagtgccttca ctgtgaacga caagtgcgat gccggcttct gcttcggacg taatggcagg 480
 46 aataacacgt gagataccgg cttctgtttc tgccctcaaa agacgcagcg gcacaccggc 540
 48 agctatggat acgatgtgag tatttctggt cacatacggg tacagacggc gcattgtttc 600
 50 gatgacatgg agtggcggga cgcataatca aatcaattgg cacgtatttg cccaattctc 660
 52 caacggatca gccgatacgt ttggataatc tgacatgagt gccgcagcc gctccccctt 720
 54 cgttctcgtc tcaataaata gctcattctc ttttatttgt tcatgtttca acagctgtct 780
 56 agcgatcata tccgccatgc tgccatatcc aatcaatcca atctgttcca tcgactcagt 840
 58 cttttcatat acaatatgaa gtgtaccgtt ttccgcactt tttcacaatt tcccataatc 900
 60 ttttcatttt tatcccacag tttttgttta tgataaactc aagtcataaa cctatcaata 960
 62 taaatagaca tgtgaaaata gagaaacgga gtgaacatg atg gat aac tat cgt 1014
 63 Met Asp Asn Tyr Arg
 64 1 5
 66 gat gaa aac aga acg aaa ggt aat gag aat gag gtc ttt tta acg aaa 1062
 67 Asp Glu Asn Arg Thr Lys Gly Asn Glu Asn Glu Val Phe Leu Thr Lys
 68 10 15 20
 70 gag aac gat cag agc gcc tcc tac tcg gcc cgc aat gtc att cat gat 1110

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Input Set : A:\PTO.txt

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71 Glu Asn Asp Gln Ser Ala Ser Tyr Ser Ala Arg Asn Val Ile His Asp
72          25          30          35
74 cag gag aag aaa aaa cga gga ttc gga tgg ttc aga ccg ttg ctt ggc      1158
75 Gln Glu Lys Lys Lys Arg Gly Phe Gly Trp Phe Arg Pro Leu Leu Gly
76          40          45          50
78 gga gtg atc ggc ggc agt ctt gct ctt ggc att tac acg ttt aca ccg      1206
79 Gly Val Ile Gly Gly Ser Leu Ala Leu Gly Ile Tyr Thr Phe Thr Pro
80          55          60          65
82 ctt ggt aac cat gat tct cag gac act gca aaa caa tca tcc agc cag      1254
83 Leu Gly Asn His Asp Ser Gln Asp Thr Ala Lys Gln Ser Ser Ser Gln
84 70          75          80          85
86 cag caa acg caa tct gtt aca gca aca agc acc tcc tct gaa tct aaa      1302
87 Gln Gln Thr Gln Ser Val Thr Ala Thr Ser Thr Ser Ser Glu Ser Lys
88          90          95          100
90 aaa agc tca agc agc tca tct gca ttc aag agc gag gac tct tct aaa      1350
91 Lys Ser Ser Ser Ser Ser Ser Ala Phe Lys Ser Glu Asp Ser Ser Lys
92          105          110          115
94 atc tca gat atg gta gaa gac ctt tca cca gcg att gtc ggt att aca      1398
95 Ile Ser Asp Met Val Glu Asp Leu Ser Pro Ala Ile Val Gly Ile Thr
96          120          125          130
98 aat ctt cag gca caa tca aac agc tct ttg ttc ggc tct agt tct tct      1446
99 Asn Leu Gln Ala Gln Ser Asn Ser Ser Leu Phe Gly Ser Ser Ser Ser
100          135          140          145
102 gat tcc agc gaa gat aca gaa agc ggt tca ggg tca ggt gtc att ttc      1494
103 Asp Ser Ser Glu Asp Thr Glu Ser Gly Ser Gly Ser Gly Val Ile Phe
104 150          155          160          165
106 aaa aaa gag aat ggc aag gct tat atc att aca aat aac cac gtc gta      1542
107 Lys Lys Glu Asn Gly Lys Ala Tyr Ile Ile Thr Asn Asn His Val Val
108          170          175          180
110 gaa ggg gca tca tca ctg aag gta tct tta tat gac ggc act gag gtt      1590
111 Glu Gly Ala Ser Ser Leu Lys Val Ser Leu Tyr Asp Gly Thr Glu Val
112          185          190          195
114 act gca aag ctg gta ggc agt gac tcg tta act gat tta gcc gtc ctc      1638
115 Thr Ala Lys Leu Val Gly Ser Asp Ser Leu Thr Asp Leu Ala Val Leu
116          200          205          210
118 caa atc agt gat gac cac gtc aca aaa gtg gca aac ttc ggt gat tca      1686
119 Gln Ile Ser Asp Asp His Val Thr Lys Val Ala Asn Phe Gly Asp Ser
120          215          220          225
122 tct gat ctt aga aca ggc gag acc gtt att gcg att ggg gat ccg ctt      1734
123 Ser Asp Leu Arg Thr Gly Glu Thr Val Ile Ala Ile Gly Asp Pro Leu
124 230          235          240          245
126 gga aaa gac ctg tcc cgc aca gta aca caa gga att gta agc ggc gtg      1782
127 Gly Lys Asp Leu Ser Arg Thr Val Thr Gln Gly Ile Val Ser Gly Val
128          250          255          260
130 gac aga acg gtt tca atg tct aca tca gcc ggc gaa acg agc att aac      1830
131 Asp Arg Thr Val Ser Met Ser Thr Ser Ala Gly Glu Thr Ser Ile Asn
132          265          270          275
134 gtc att cag aca gac gca gca att aat cca ggt aac agc ggc ggt cct      1878
135 Val Ile Gln Thr Asp Ala Ala Ile Asn Pro Gly Asn Ser Gly Gly Pro

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RAW SEQUENCE LISTING

DATE: 04/13/2006

PATENT APPLICATION: US/10/574,625

TIME: 20:17:08

Input Set : A:\PTO.txt

Output Set: N:\CRF4\04132006\J574625.raw

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211          100          105          110
214 Glu Asp Ser Ser Lys Ile Ser Asp Met Val Glu Asp Leu Ser Pro Ala
215          115          120          125
218 Ile Val Gly Ile Thr Asn Leu Gln Ala Gln Ser Asn Ser Ser Leu Phe
219          130          135          140
222 Gly Ser Ser Ser Ser Asp Ser Ser Glu Asp Thr Glu Ser Gly Ser Gly
223 145          150          155          160
226 Ser Gly Val Ile Phe Lys Lys Glu Asn Gly Lys Ala Tyr Ile Ile Thr
227          165          170          175
230 Asn Asn His Val Val Glu Gly Ala Ser Ser Leu Lys Val Ser Leu Tyr
231          180          185          190
234 Asp Gly Thr Glu Val Thr Ala Lys Leu Val Gly Ser Asp Ser Leu Thr
235          195          200          205
238 Asp Leu Ala Val Leu Gln Ile Ser Asp Asp His Val Thr Lys Val Ala
239          210          215          220
242 Asn Phe Gly Asp Ser Ser Asp Leu Arg Thr Gly Glu Thr Val Ile Ala
243 225          230          235          240
246 Ile Gly Asp Pro Leu Gly Lys Asp Leu Ser Arg Thr Val Thr Gln Gly
247          245          250          255
250 Ile Val Ser Gly Val Asp Arg Thr Val Ser Met Ser Thr Ser Ala Gly
251          260          265          270
254 Glu Thr Ser Ile Asn Val Ile Gln Thr Asp Ala Ala Ile Asn Pro Gly
255          275          280          285
258 Asn Ser Gly Gly Pro Leu Leu Asn Thr Asp Gly Lys Ile Val Gly Ile
259          290          295          300
262 Asn Ser Met Lys Ile Ser Glu Asp Asp Val Glu Gly Ile Gly Phe Ala
263 305          310          315          320
266 Ile Pro Ser Asn Asp Val Lys Pro Ile Ala Glu Glu Leu Leu Ser Lys
267          325          330          335
270 Gly Gln Ile Glu Arg Pro Tyr Ile Gly Val Ser Met Leu Asp Leu Glu
271          340          345          350
274 Gln Val Pro Gln Asn Tyr Gln Glu Gly Thr Leu Gly Leu Phe Gly Ser
275          355          360          365
278 Gln Leu Asn Lys Gly Val Tyr Ile Arg Glu Val Ala Ser Gly Ser Pro
279          370          375          380
282 Ala Glu Lys Ala Gly Leu Lys Ala Glu Asp Ile Ile Ile Gly Leu Lys
283 385          390          395          400
286 Gly Lys Glu Ile Asp Thr Gly Ser Glu Leu Arg Asn Ile Leu Tyr Lys
287          405          410          415
290 Asp Ala Lys Ile Gly Asp Thr Val Glu Val Lys Ile Leu Arg Asn Gly
291          420          425          430
294 Lys Glu Met Thr Lys Lys Ile Lys Leu Asp Gln Lys Glu Glu Lys Thr
295          435          440          445
298 Ser
302 <210> SEQ ID NO: 3
303 <211> LENGTH: 8
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial
307 <220> FEATURE:

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RAW SEQUENCE LISTING

DATE: 04/13/2006

PATENT APPLICATION: US/10/574,625

TIME: 20:17:08

Input Set : A:\PTO.txt

Output Set: N:\CRF4\04132006\J574625.raw

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308 <223> OTHER INFORMATION: octameric motif
311 <220> FEATURE:
W--> 312 <221> NAME/KEY: octameric_motif
313 <222> LOCATION: (1)..(8)
315 <400> SEQUENCE: 3
316 ttttcata 8
319 <210> SEQ ID NO: 4
320 <211> LENGTH: 44
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Primer
328 <220> FEATURE:
W--> 329 <221> NAME/KEY: Primer_oth48
330 <222> LOCATION: (1)..(44)
332 <400> SEQUENCE: 4
333 gttcatcgat cgcacggct aatcagacca cttcgggtga aggc 44
336 <210> SEQ ID NO: 5
337 <211> LENGTH: 50
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Primer
345 <220> FEATURE:
W--> 346 <221> NAME/KEY: Primer_oth50
347 <222> LOCATION: (1)..(50)
349 <400> SEQUENCE: 5
350 ggagcggatt gaacatgcga ttaaatatcc ttcgagacat tttcgatcgc 50
353 <210> SEQ ID NO: 6
354 <211> LENGTH: 21
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Primer
362 <220> FEATURE:
W--> 363 <221> NAME/KEY: Primer_260558
364 <222> LOCATION: (1)..(21)
366 <400> SEQUENCE: 6
367 gagtatcgcc agtaaggggc g 21
370 <210> SEQ ID NO: 7
371 <211> LENGTH: 44
372 <212> TYPE: DNA
373 <213> ORGANISM: Artificial
375 <220> FEATURE:
376 <223> OTHER INFORMATION: Primer
378 <400> SEQUENCE: 7
379 gccttcaccc gaagtgtct gattagccga tgcgatcgat gaac 44
382 <210> SEQ ID NO: 8
383 <211> LENGTH: 23

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/574,625

DATE: 04/13/2006
TIME: 20:17:09

Input Set : A:\PTO.txt
Output Set: N:\CRF4\04132006\J574625.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/574,625

DATE: 04/13/2006

TIME: 20:17:09

Input Set : A:\PTO.txt

Output Set: N:\CRF4\04132006\J574625.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
 L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:21 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
 L:312 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
 L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
 L:346 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
 L:363 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
 L:392 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
 L:409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
 L:426 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
 L:443 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11

**Raw Sequence Listing before editing
(for reference only)**



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/574,625

DATE: 04/13/2006

TIME: 10:17:33

Input Set : A:\01-SQ Listing-04 Apr 2006.txt

Output Set: N:\CRF4\04132006\J574625.raw

3 <110> APPLICANT: Hoff, Tine
5 <120> TITLE OF INVENTION: A Method of Screening For Protein Secreting Recombinant Host
6 Cells
8 <130> FILE REFERENCE: 10355.204-US
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/574,625
C--> 10 <141> CURRENT FILING DATE: 2006-04-04
10 <160> NUMBER OF SEQ ID NOS: 11
12 <170> SOFTWARE: PatentIn version 3.3

ERRORED SEQUENCES

433 <210> SEQ ID NO: 11
434 <211> LENGTH: 26
435 <212> TYPE: DNA
436 <213> ORGANISM: Artificial
438 <220> FEATURE:
439 <223> OTHER INFORMATION: Primer
442 <220> FEATURE:
W--> 443 <221> NAME/KEY: Primer_YKDAP1
444 <222> LOCATION: (1)..(26)
446 <400> SEQUENCE: 11
447 gcggatccga tgatgaatga cattgc
E--> 453 8

**Does Not Comply
Corrected Diskette Needed**

26

VERIFICATION SUMMARY

DATE: 04/13/2006

PATENT APPLICATION: US/10/574,625

TIME: 10:17:34

Input Set : A:\01-SQ Listing-04 Apr 2006.txt

Output Set: N:\CRF4\04132006\J574625.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:21 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:312 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:346 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:363 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:392 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:409 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:426 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:443 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:453 M:254 E: No. of Bases conflict, this line has no nucleotides.